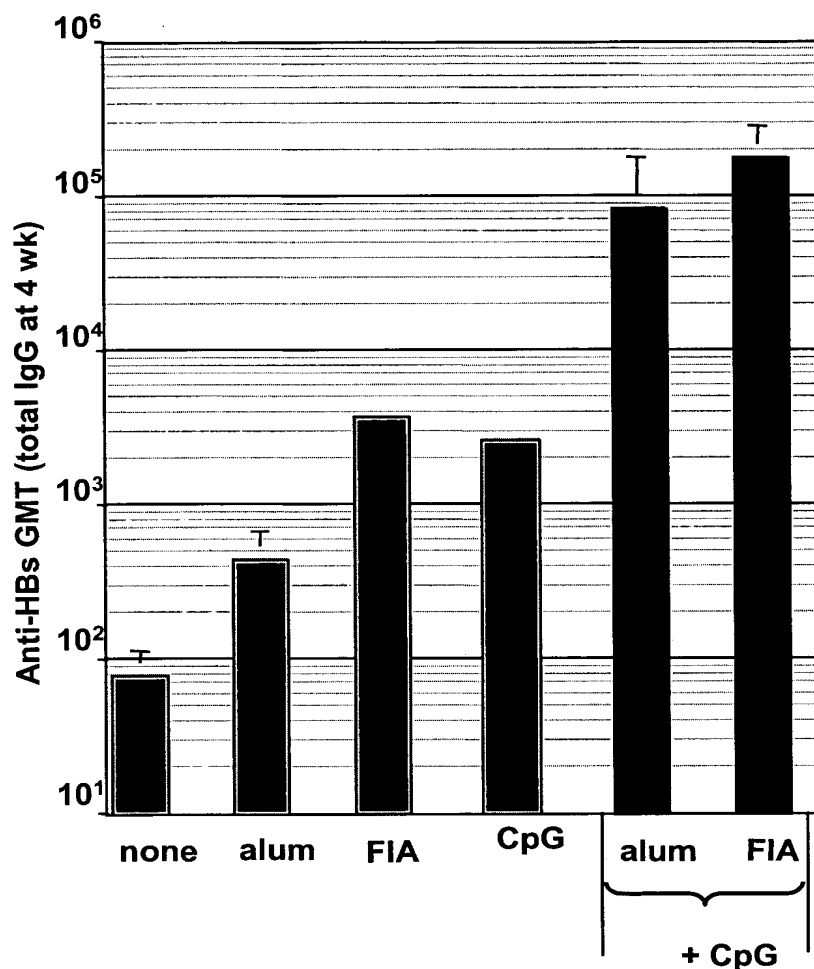




# EXHIBIT 1

Figure 1



Adult (6-8 wk; n=10/gp) BALB/c mice were immunized with 1  $\mu$ g HBsAg with: (i) no adjuvant; (ii) alum (25  $\mu$ g AL<sup>3+</sup>); (iii) FIA (1:1 v/v); (iv) CpG ODN 1826 (10  $\mu$ g/animal ; (v) CpG ODN + alum; and (vi) CpG ODN + FIA. Animals were bled at 4 weeks post prime and plasma assayed for total IgG levels against HBsAg (Anti-HBs). Each bar represents the geometric mean ( $\pm$  SEM) of the ELISA end point dilution titer of anti-HBs total IgG for the entire group (n=10). Titers were defined as the highest dilution resulting in an absorbance value two times that of non-immune plasma with a cut-off value of 0.05.

**Figure 2**

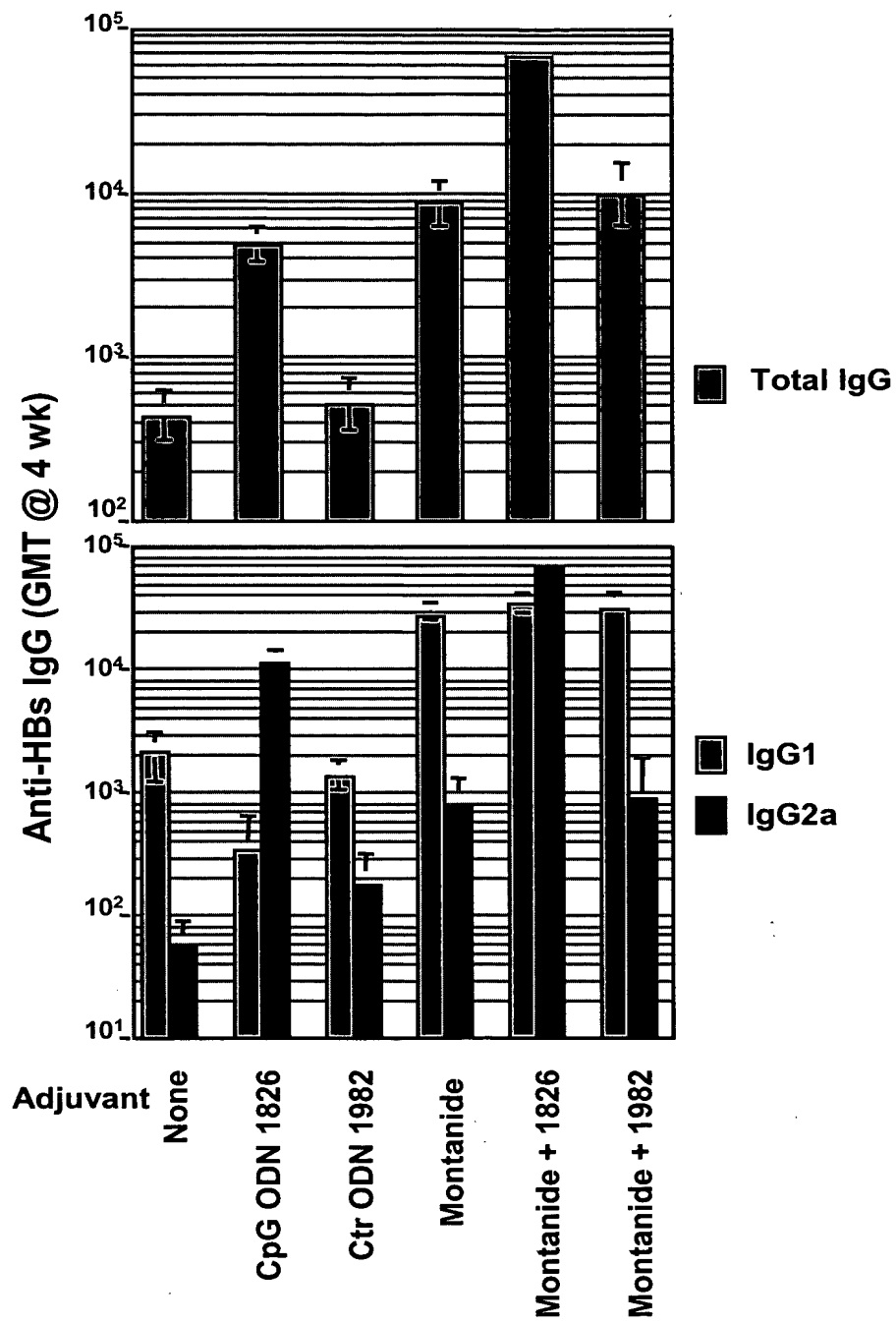
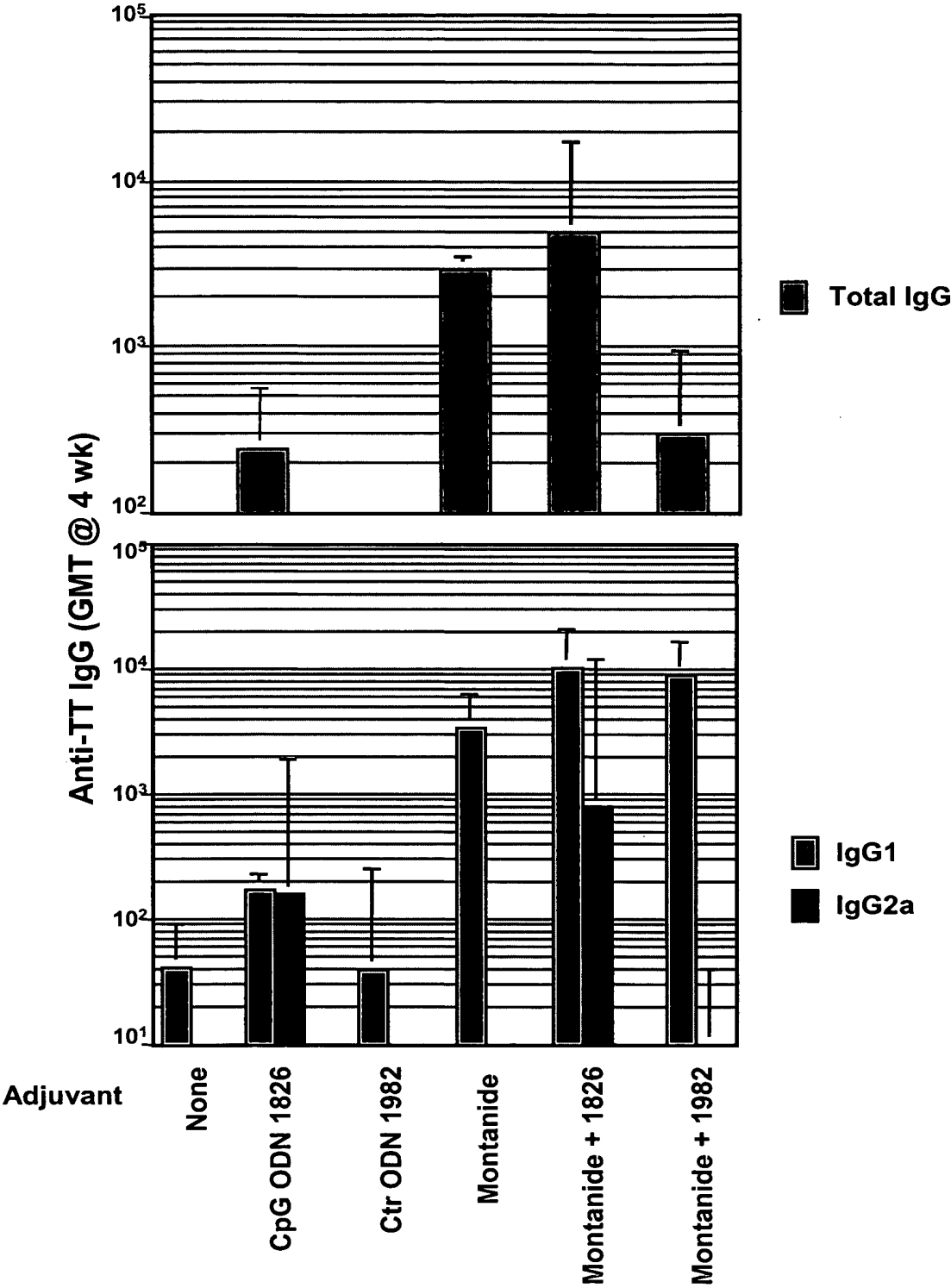


Figure 3



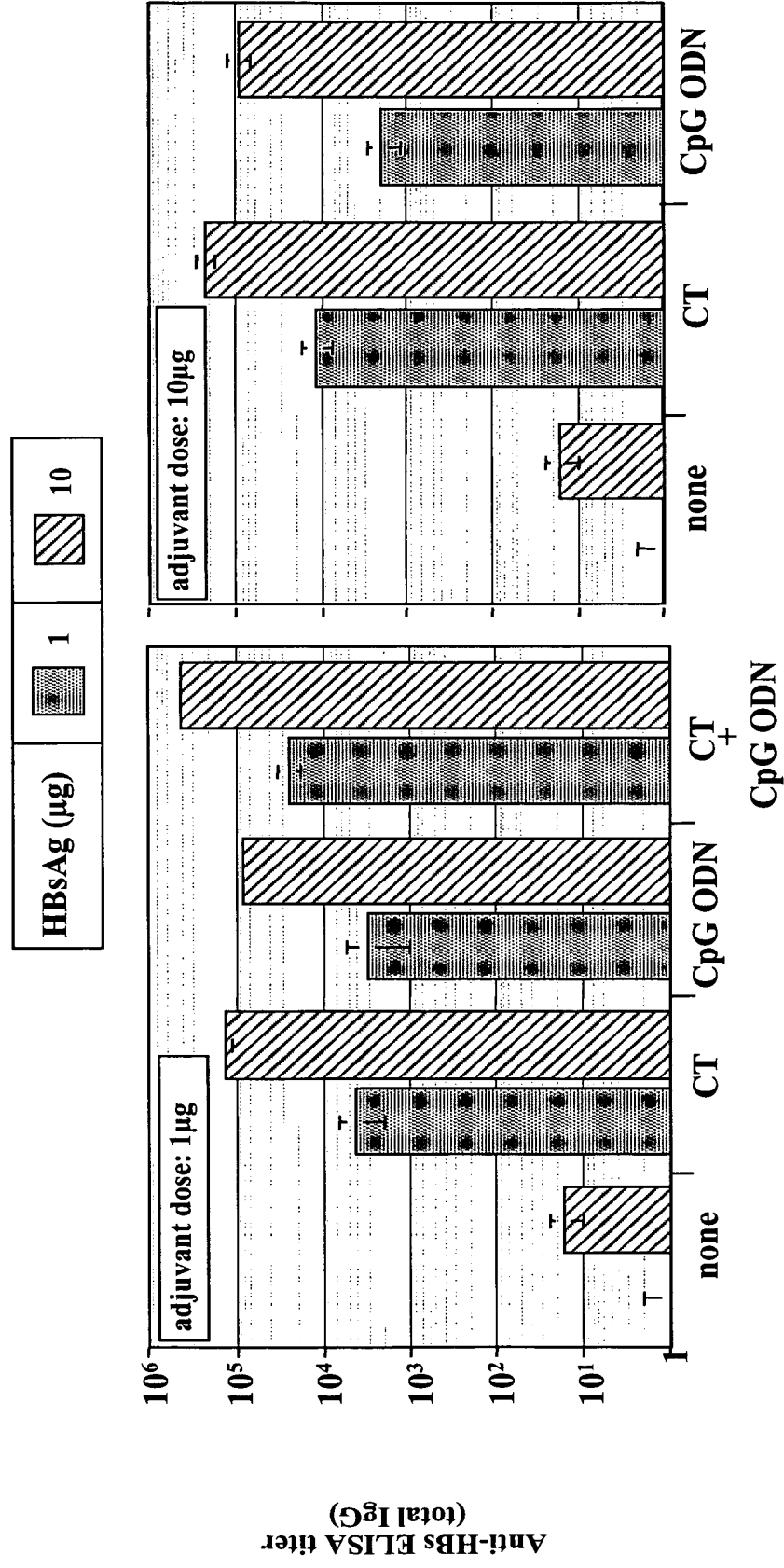
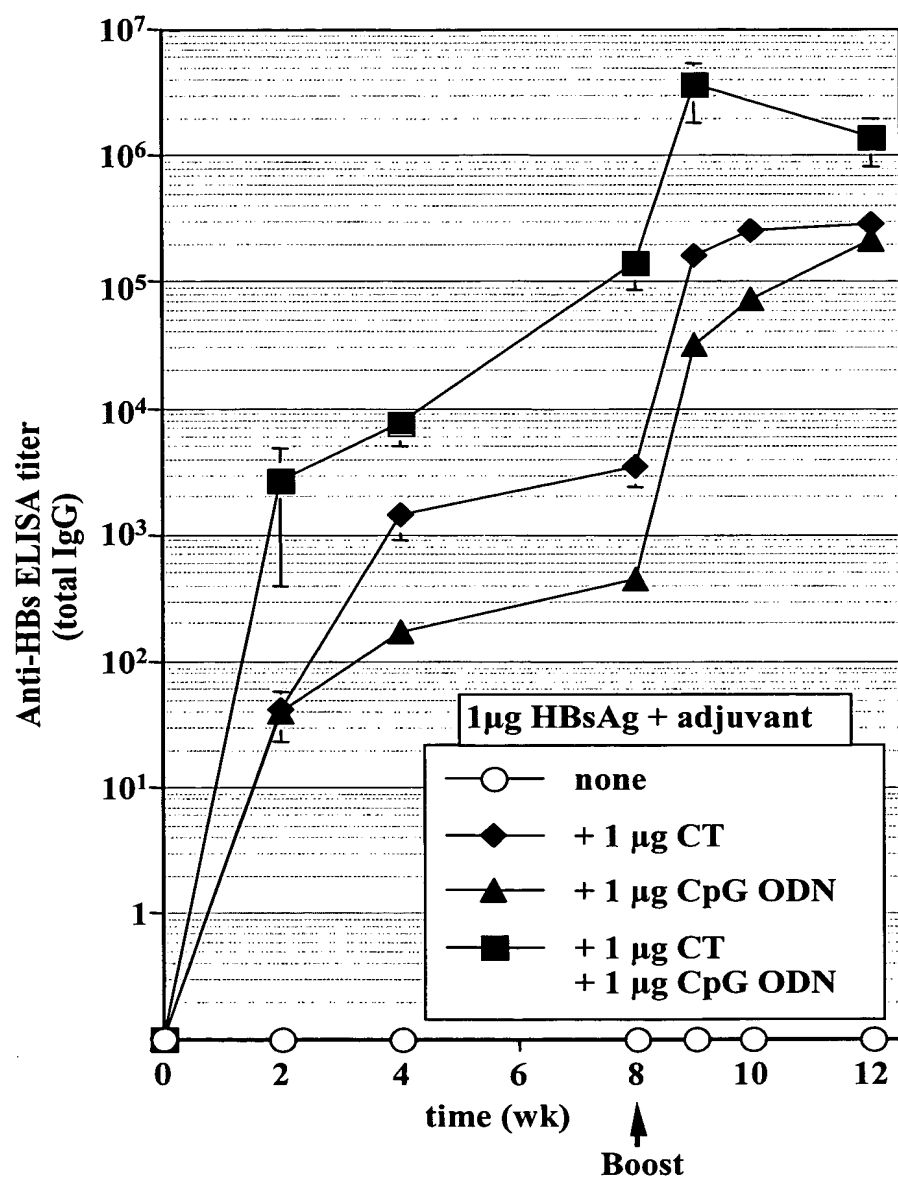
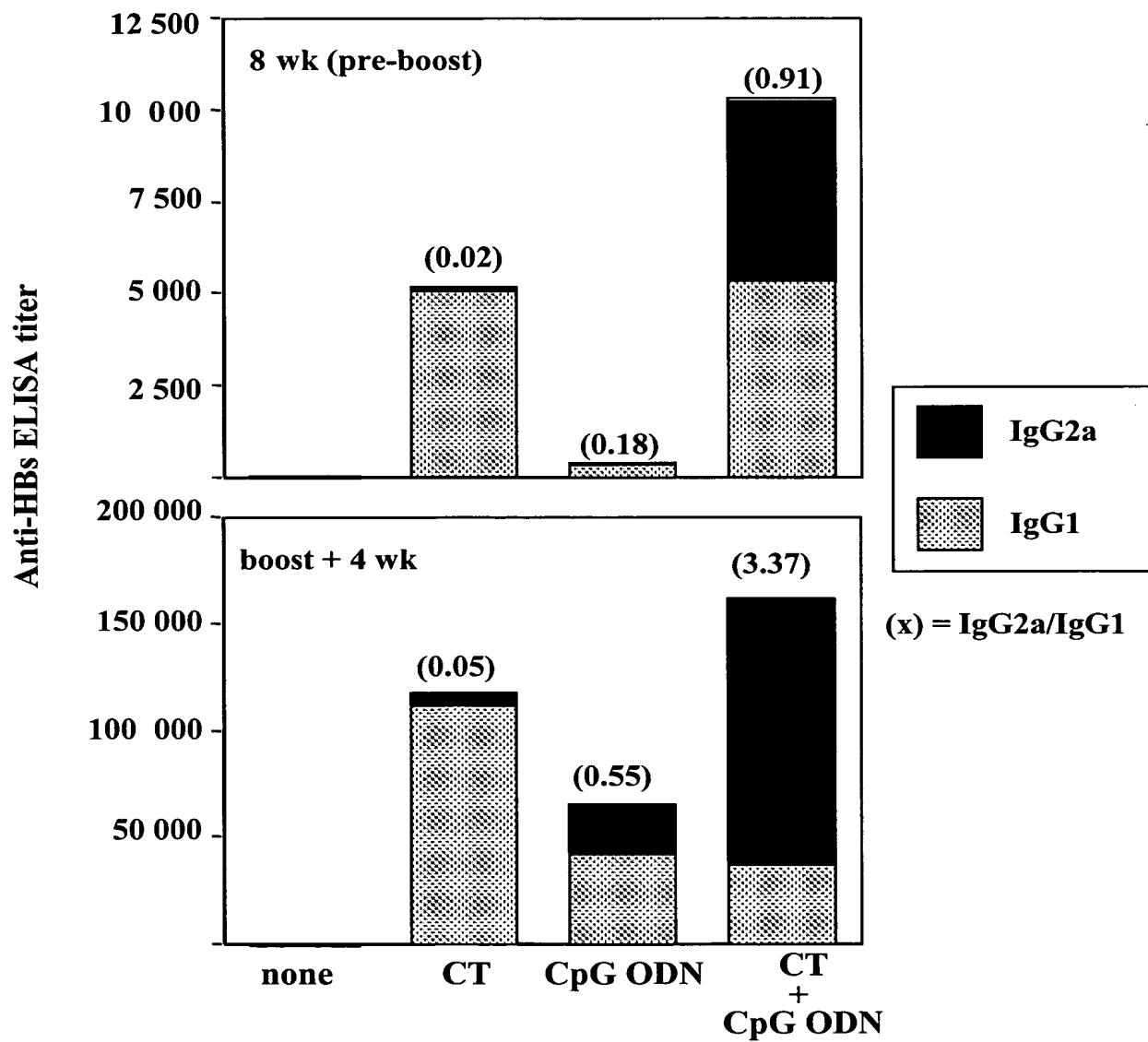


Figure 4

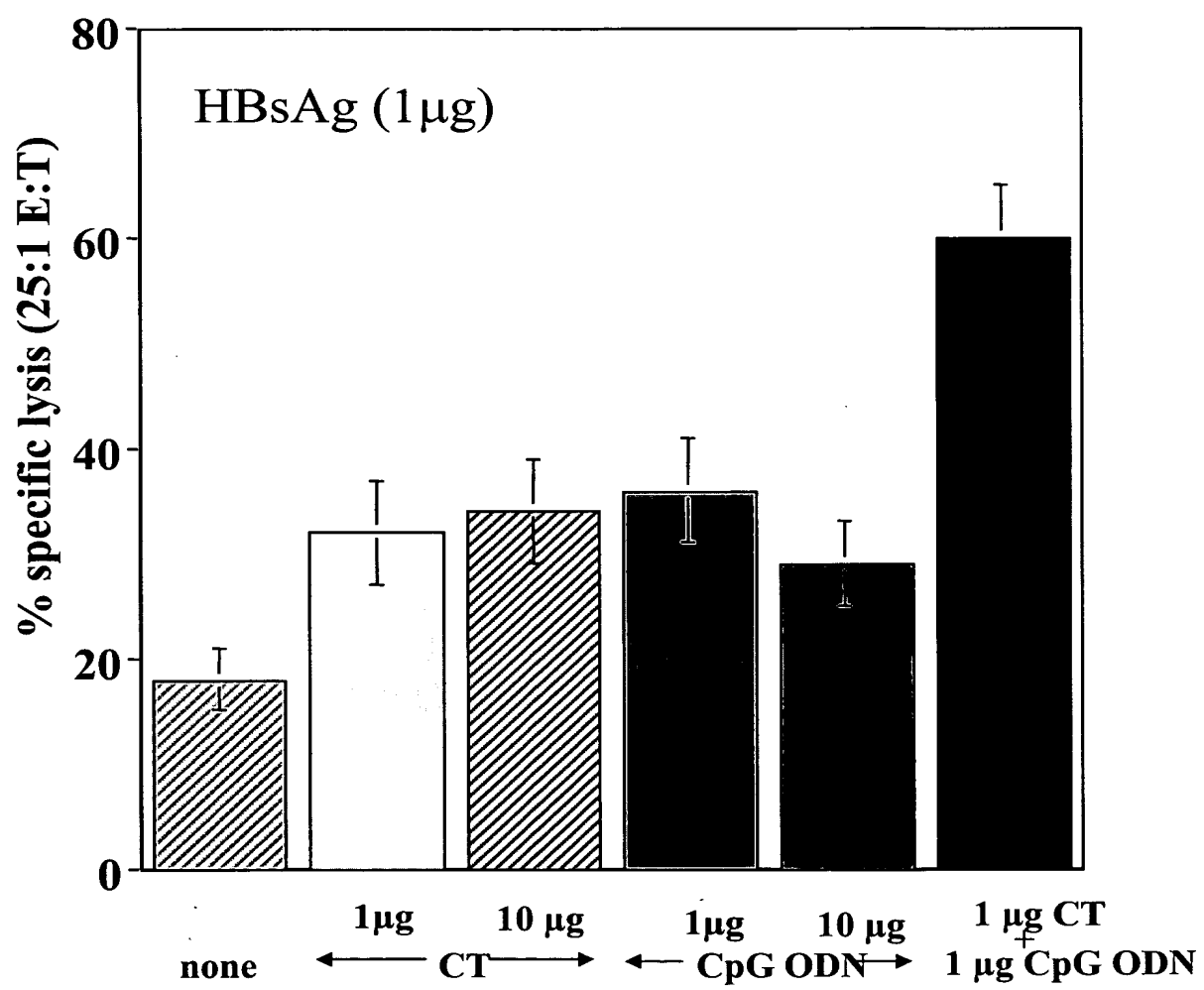
**Figure 5**



**Figure 6**



### Figure 7



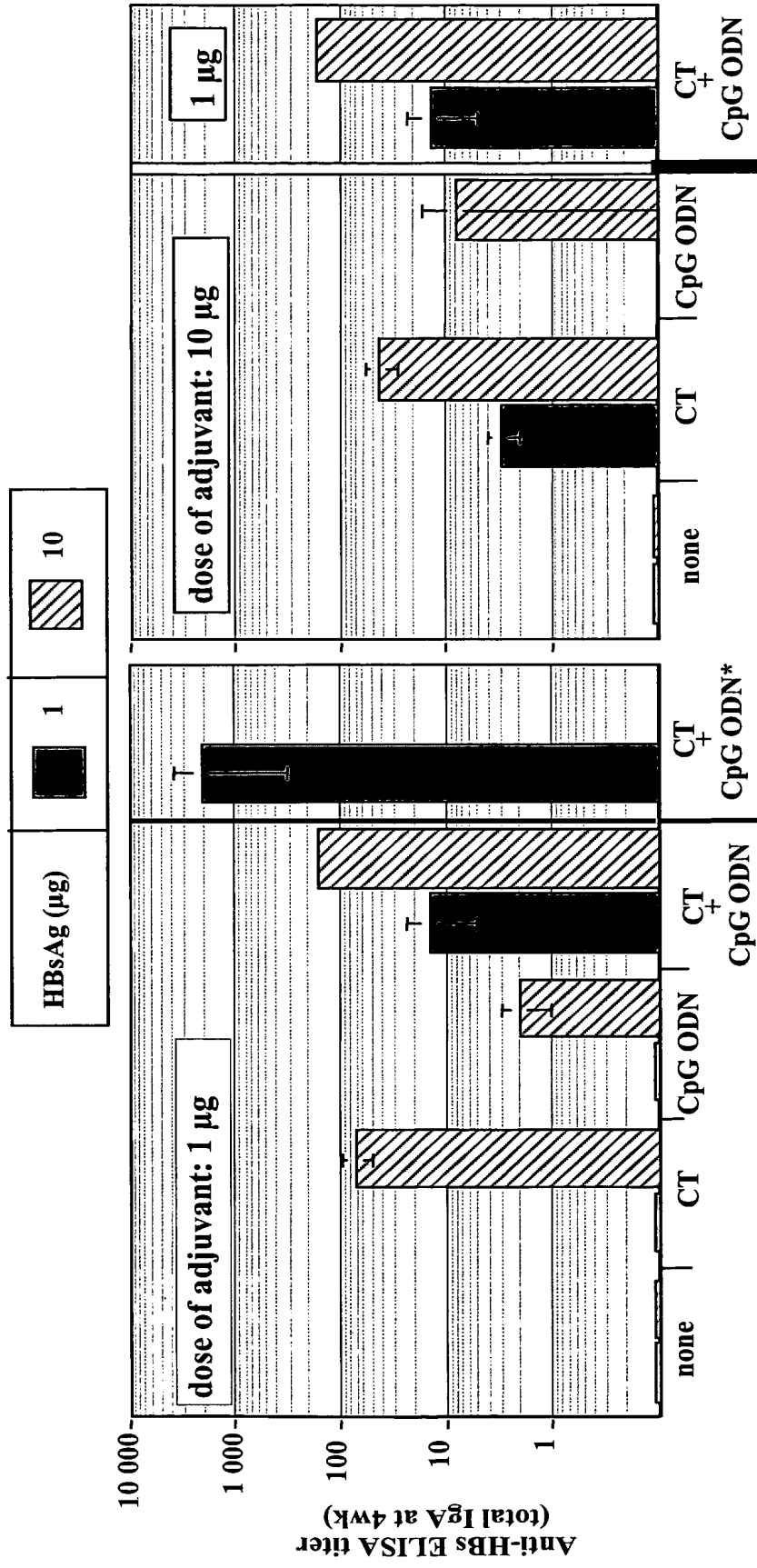


Figure 8



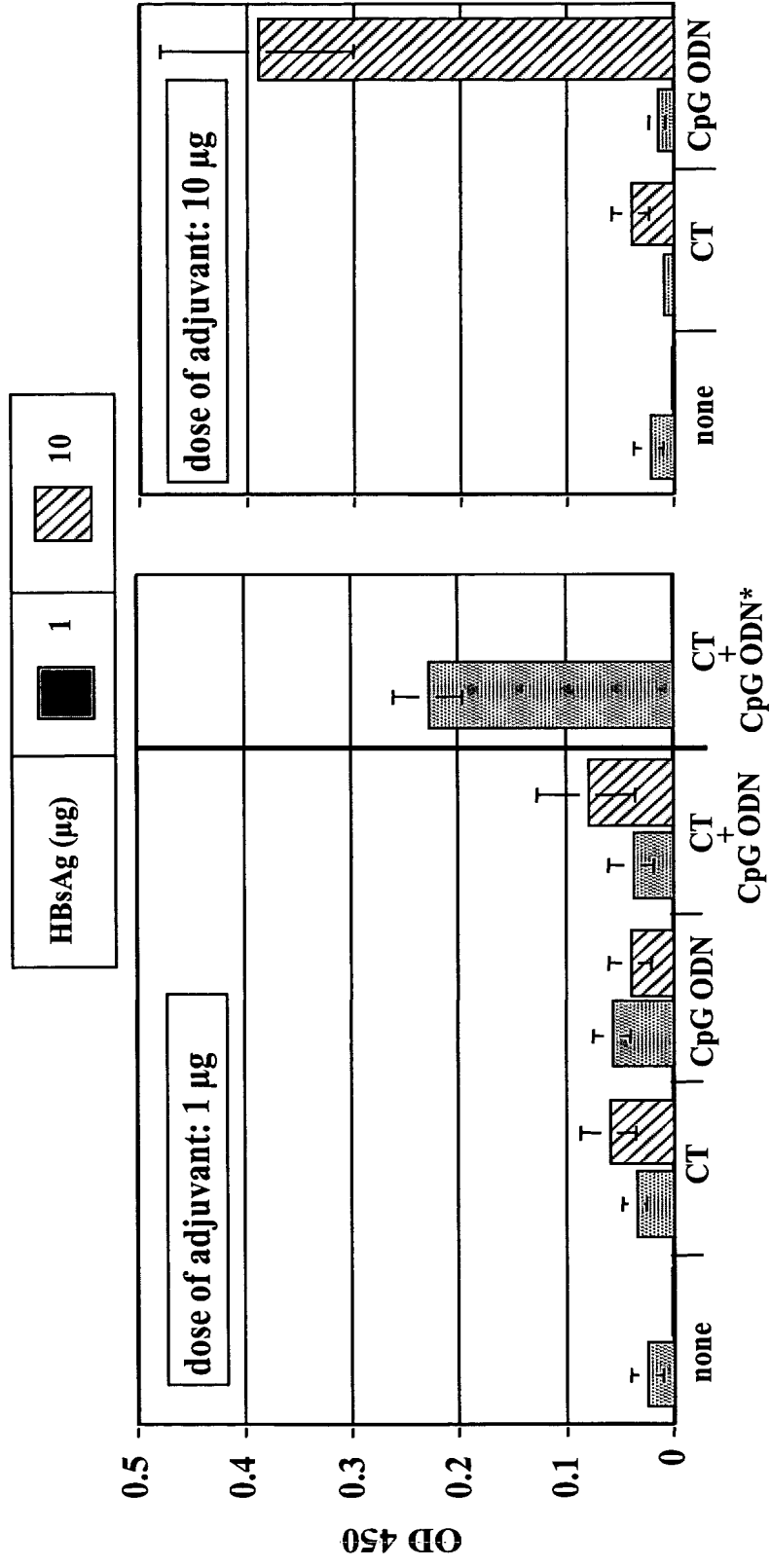
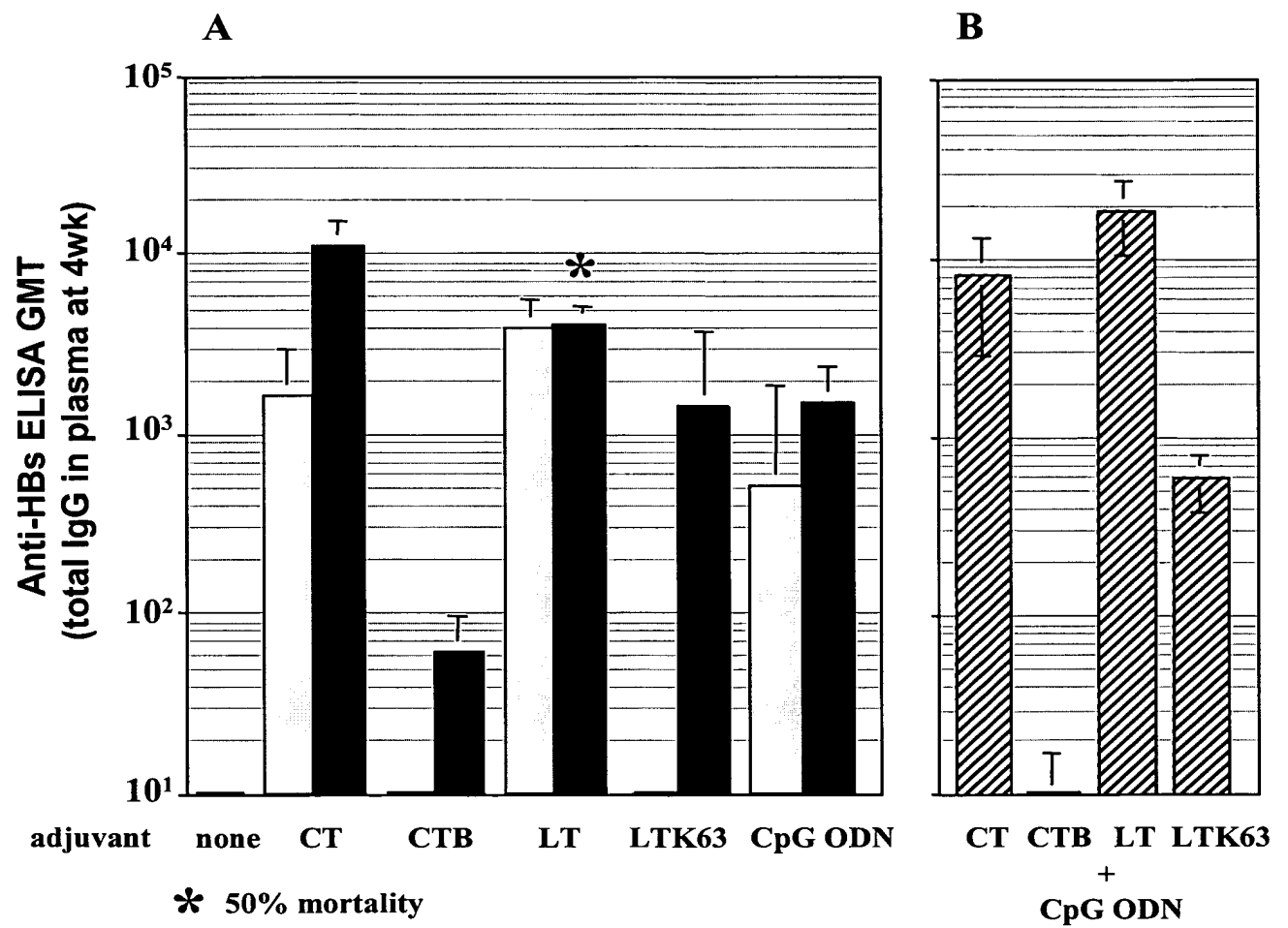


Figure 9

**Figure 10**



**Figure 11**

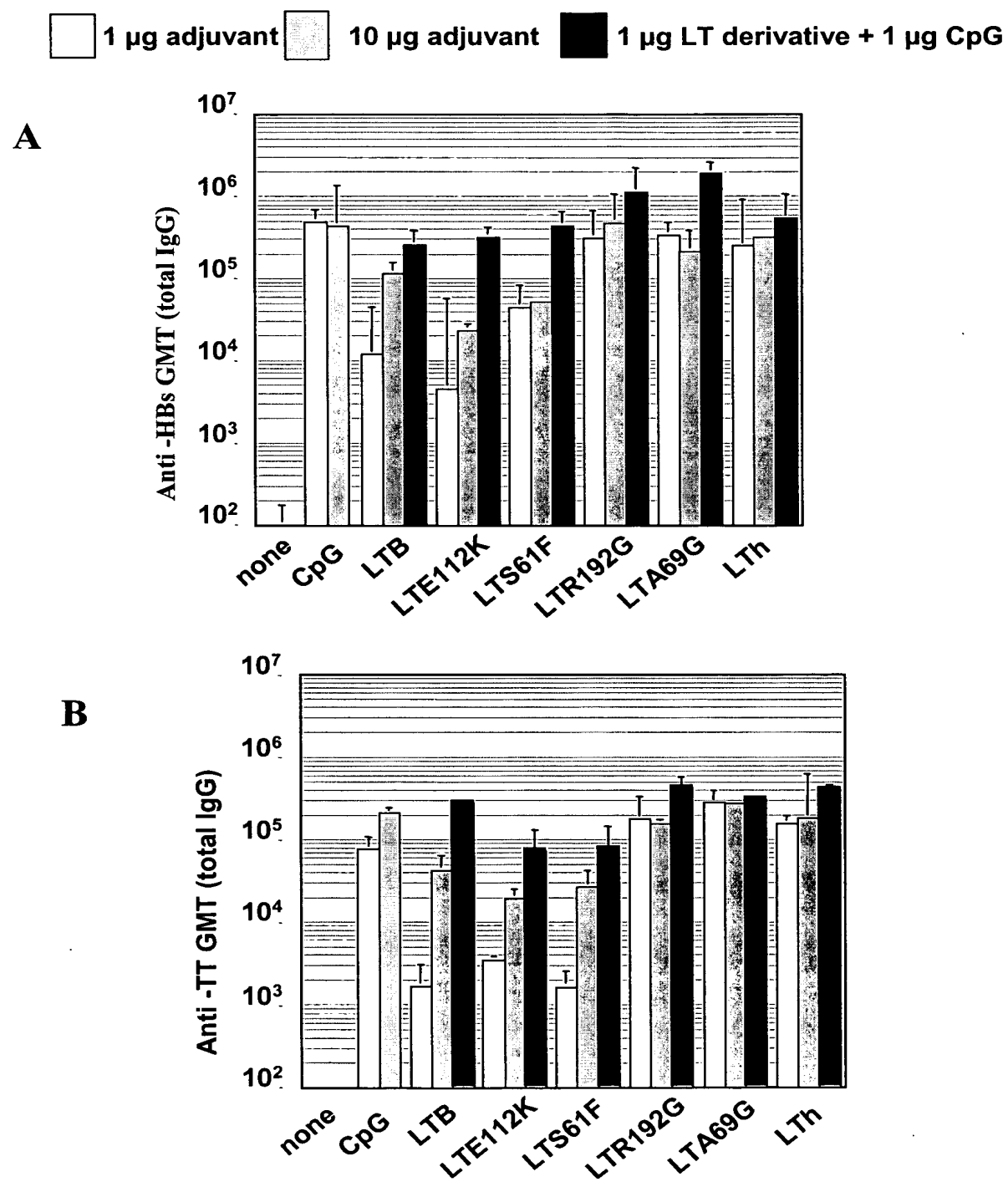
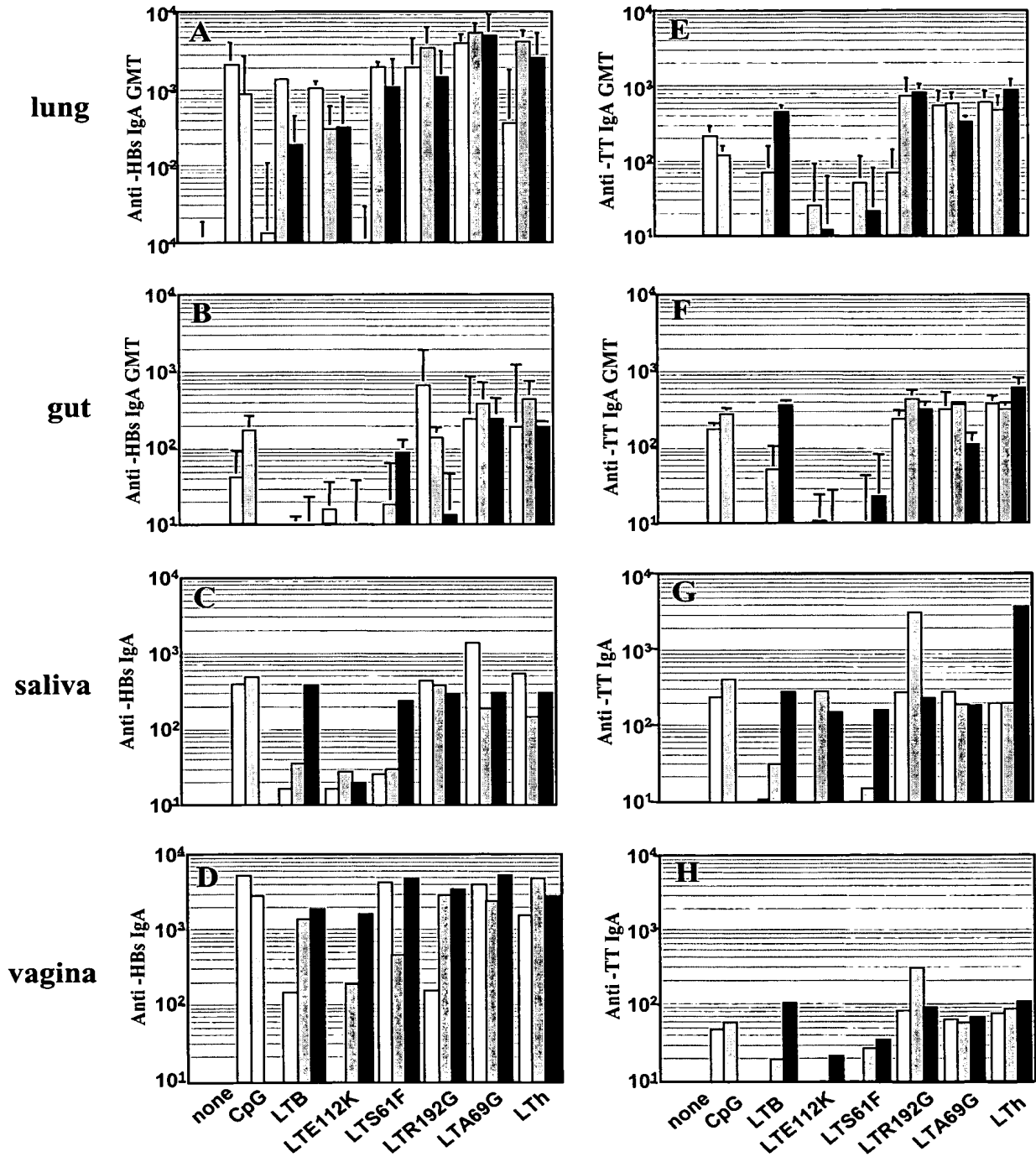
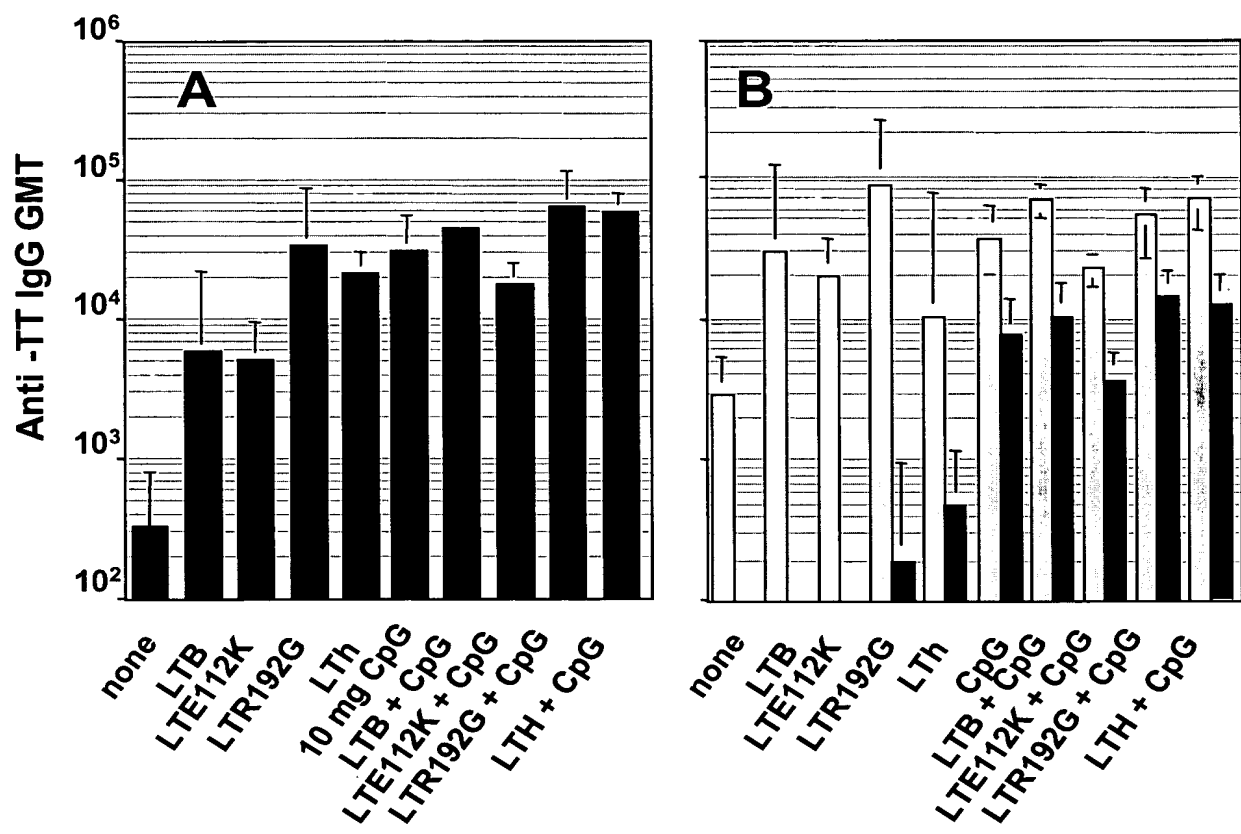


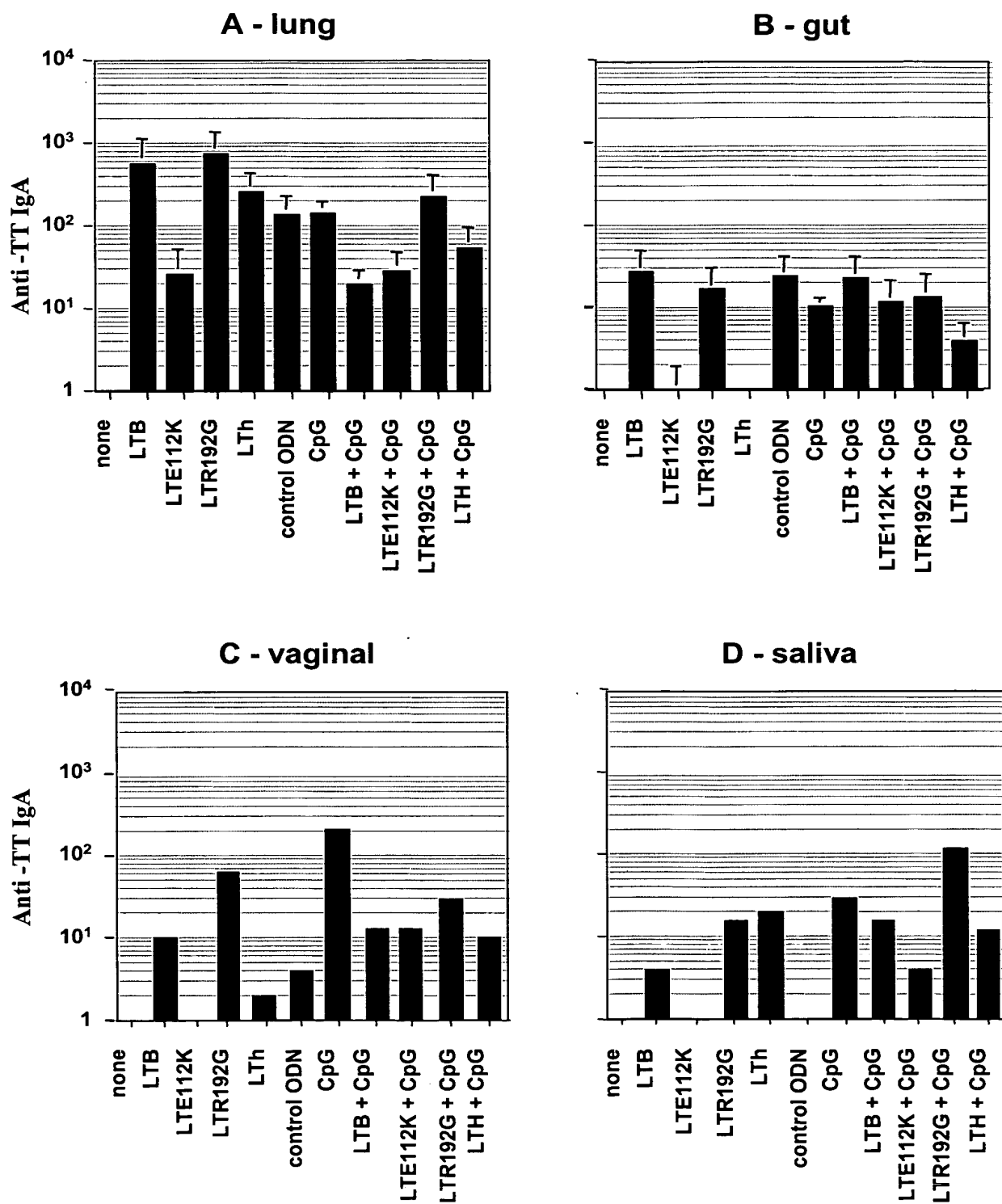
Figure 12



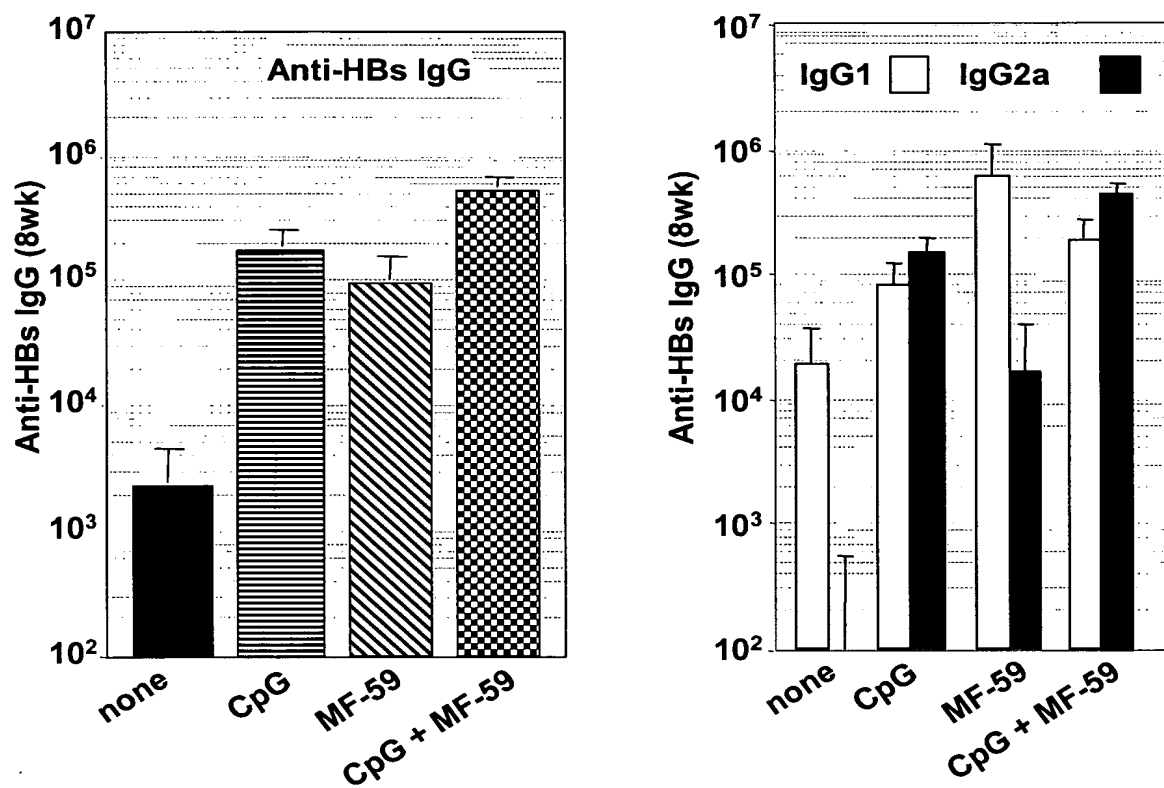
**Figure 13**



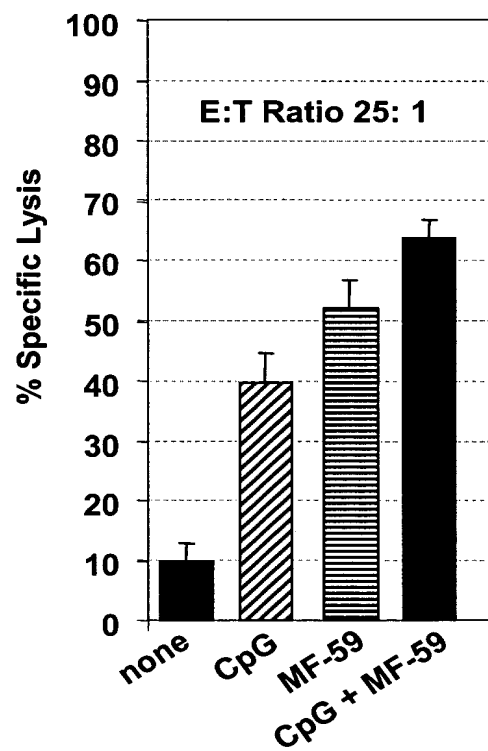
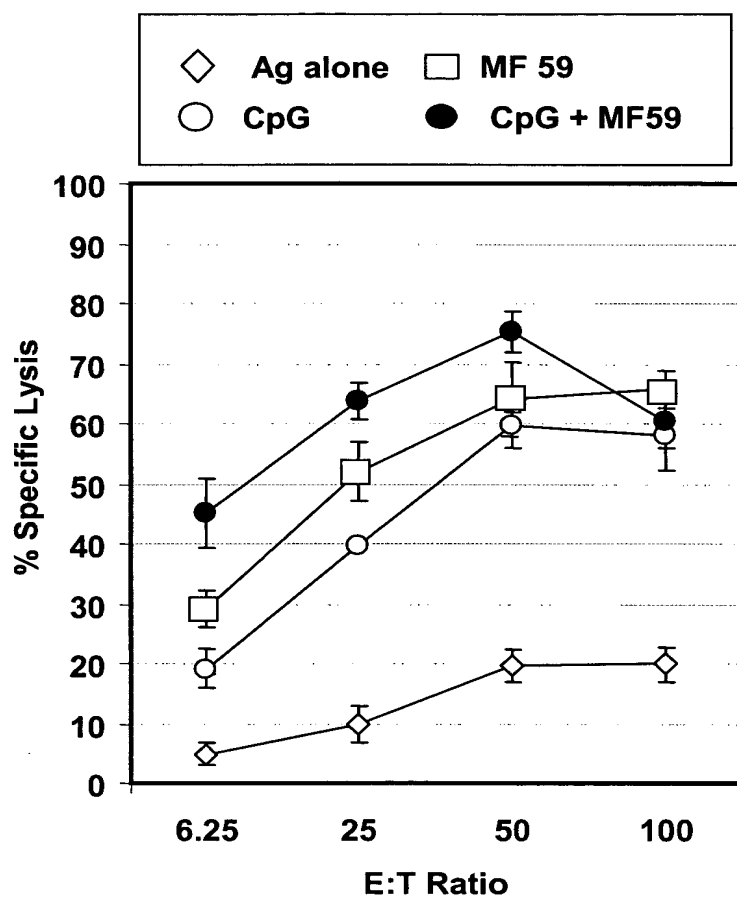
**Figure 14**



**Figure 15**

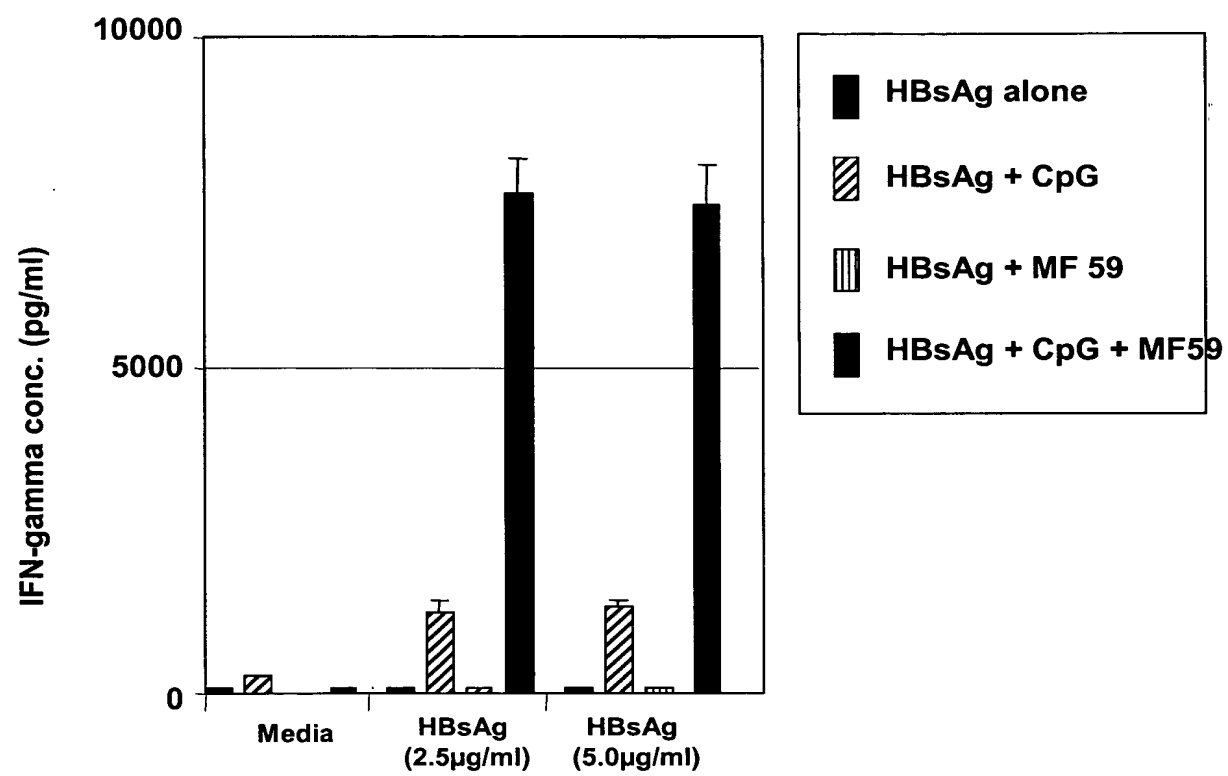


**Figure 16**





**Figure 17**



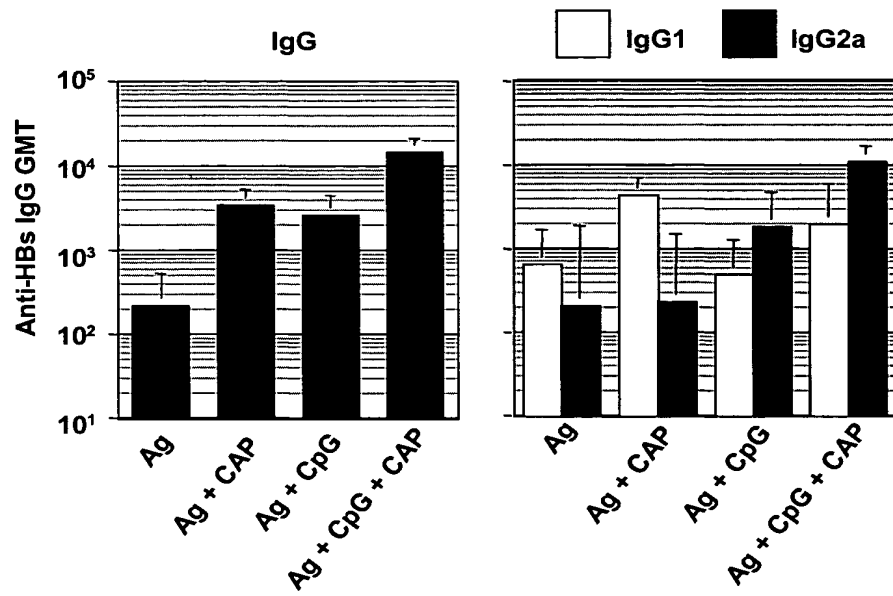


Figure 18